DEPARTMENT of ENVIRONMENTAL SERVICES
Water Supply & Pollution Control Division - Biology Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake:	WHEELER POND	Lake Area (ha):	---
Town:	LONDONDERRY	Maximum depth (m):	---
County:	Rockingham	Mean depth (m):	---
River Basin:	Merrimack	Volume (m^3):	---
Latitude:	42°52'23" N	Relative depth:	---
Longitude:	71°20'29" W	Shore configuration:	---
Elevation (ft):	---	Areal water load (m/yr):	---
Shore length (m):	---	Flushing rate (yr^{-1}):	---
Watershed area (ha):	---	P retention coeff.:	---
% watershed ponded:	---	Lake type:	

BIOLOGICAL:		1 August 1997
DOM. PHYTOPLANKTON (% TOTAL) #1		
#2		
#3		
PHYTOPLANKTON ABUNDANCE (units/mL)		
CHLOROPHYLL-A (µg/L)		
DOM. ZOOPLANKTON (% TOTAL) #1		
#2		
#3		
ROTIFERS/LITER		
MICROCRUSTACEA/LITER		
ZOOPLANKTON ABUNDANCE (#/L)		
VASCULAR PLANT ABUNDANCE		
SECCHI DISK TRANSPARENCY (m)		
BOTTOM DISSOLVED OXYGEN (mg/L)		
BACTERIA (E. coli, #/100 ml) #1		
#2		
#3		

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
Hypolimnion volume (m^3) :
Anoxic volume (m^3) : None

CHEMICAL:

Lake: WHEELER POND
Town: LONDONDERRY

			1 August 1997		
DEPTH (m)					
pH (units)					
A.N.C. (Alkalinity)					
NITRATE NITROGEN					
TOTAL KJELDAHL NITROGEN					
TOTAL PHOSPHORUS					
CONDUCTIVITY (μmhos/cm)					
APPARENT COLOR (cpu)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
SULFATE					
TN : TP					
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

TROPHIC CLASSIFICATION: 1997

D.O.	S.D.	PLANT	CHL	TOTAL	CLASS
**	**	**	**	**	-99.

COMMENTS:

1. This pond was visited but not surveyed. It was determined to be a wetland. This body of water is located in back of Burger King near exit 4 of Interstate 93. The water level fluctuates, apparently due to beaver. At the time of our visit there was essentially no water in the pond and it was full of purple loosestrife.